

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
)	
Barak et al.)	Group Art Unit: 1646
)	
Application No. 09/631,468)	Examiner: Unknown
)	
Filed: August 3, 2000)	
)	
For: Methods for Assaying Receptor Activity and)	
Constructs Useful in Such Methods)	

**INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed is a Supplemental Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

[x] No additional fee for submission of an IDS is required.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: Melissa M. Hayworth
Melissa M. Hayworth
Registration No. 45,774

P.O. Box 1404
Alexandria, Virginia 22313-1404
(919) 941-9240

Date: Dec. 18, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	
)	
Barak et al.)	Group Art Unit: 1646
)	
Application No. 09/631,468)	Examiner: Unknown
)	
Filed: August 3, 2000)	
)	
For: Methods for Assaying Receptor Activity and)	
Constructs Useful in Such Methods)	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or certification is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

By: Melissa M. Hayworth
Melissa M. Hayworth
Registration No. 45,774

P.O. Box 1404
Alexandria, VA 22313-1404
Phone: (919) 941-9240

Date: Dec. 18, 2000

INFORMATION & CLOSURE CITATION

PTO-1449

ATTORNEY'S DKT No.
033072-010

APPLICATION NO.
09/631,468

APPLICANT
Barak et al.

FILING DATE
August 3, 2000

GROSS
1646

DEC 20 2000

RECEIVED
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
NA	5,352,660	10/4/94	Pawson, A.J.	514	12	
	5,462,856	10/31/95	Lerner et al.	435	7.21	
	5,491,084	10/4/94	Chalfie et al.	514	12	
	5,541,309	7/30/96	Prasher, D.	536	23.2	
	5,627,039	5/6/97	Pereira-Smith et al.	435	7.23	
	5,700,673	12/23/97	McElroy et al.	435	189	
	5,744,313	4/28/98	Williams et al.	435	7.1	
	5,804,387	9/8/98	Cormack et al.	435	6	
	5,856,111	1/5/99	Ullrich et al.	435	7.21	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NA	Goodman, O.B., et al., β -Arrestin acts as a clathrin adaptor in endocytosis of the β_2 -adrenergic receptor," <i>Nature</i> , 338:447-450 (1996).
	McConalogue, K., et al., "Cellular and Subcellular localization of G-Protein Receptor Kinases, Arrestins and G-Proteins: Implications for Receptor Regulation," <i>Gastroenterology</i> , 110(4) Supplement: A1098 AGA Abstracts.
	Zuckerman, R., et al., "Sites of arrestin action during the quench phenomenon in retinal rods," <i>FEBS Let</i> , 238(2):379-84 (1988).

EXAMINER

Nvmlr

DATE CONSIDERED

4/22/02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Attachment 09/631 468 SHEET 2 OF 2

<h1 style="margin: 0;">INFORMATION DISCLOSURE CITATION</h1> <p style="margin: 10px 0;">PTO-1449</p>				ATTORNEY'S DKT No. 033072-010		APPLICATION No. 09/631,468			
				APPLICANT Barak et al.				<div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> RECEIVED DEC 20 2000 PATENT TRADEMARK OFFICE </div>	
				FILING DATE August 3, 2000		GROUP 1646			
U.S. PATENT DOCUMENTS									
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE			
	5,912,137	6/15/99	Tsien et al.	435	15				
	5,912,138	6/15/99	Tonks et al.	435	21				
	5,958,713	9/28/99	Thastrup et al.	435	7.4				
	5,968,750	10/19/99	Zolotukhin et al.	435	6				
	5,998,204	12/7/99	Tsien et al.	435	325				
	6,051,386	4/18/00	Lerner et al.	435	7.21				
	6,066,476	5/23/00	Tsien et al.	435	69.7				
FOREIGN PATENT DOCUMENTS									
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation			
						Yes	No		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
EXAMINER				DATE CONSIDERED					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Attorney's Docket No. 5405-140CT1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Barak et al.

Serial No.: To be Assigned

Group Art Unit: 1646

Filed: Concurrently Herewith

Examiner: N. Basi

For: **METHODS OF ASSAYING RECEPTOR ACTIVITY AND CONSTRUCTS
USEFUL IN SUCH METHODS**

Date: August 3, 2000

BOX PATENT APPLICATION

Commissioner for Patents

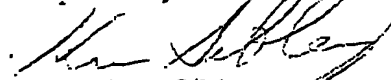
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. § 1.97

Sir:

Attached is a list of documents on form PTO-1449. Items 1-26 listed on the PTO-1449 were cited in parent application Serial No. 09/233,530, filed January 20, 1999. Since the benefit of this application is claimed under 35 U.S.C. §120, no copies need to be furnished in accordance with 37 C.F.R. §1.98(d); however, copies will be furnished on request. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.97 and Section 609 of the MPEP.

Respectfully submitted,



Kenneth D. Sibley

Registration No. 31,665

Correspondence Address:

USPTO Customer No.: 20792

Myers Bigel Sibley & Sajovec

PO Box 37428

Raleigh NC 27627

Tel (919) 854-1400

Fax (919) 854-1401

"Express Mail" mailing label number EL481794803US
Date of Deposit: August 3, 2000

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Box Patent Application, Commissioner of Patents, Washington, DC 20231.


Kenneth D. Sibley

Date of Signature: August 3, 2000

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Attorney Docket No: 5405-140		Serial No.: 08/869,568	
				Applicant: Barak et al.			
				Filing Date: 5 June 1997		Group: 1646	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	1	Barak et al., <i>Abstract #2484, Molecular Biology of the Cell</i> 7:427a (December 1996).					

 EXAMINER _____
 *EXAMINER _____

DATE CONSIDERED _____

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Attorney Docket No: 5405-140		Serial No.: 08/869,568	
				Applicant: Barak et al.			
				Filing Date: 5 June 1997		Group: 1646	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	1	WO 98/12310		PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	2	Yokoe and Meyer, <i>Spatial Dynamics of GFP-tagged proteins investigated by local fluorescence enhancement</i> , <u>Nature Biotechnology</u> 14:1252 (October 1996).					

EXAMINER
*EXAMINER

DATE CONSIDERED _____

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if no conformance and not considered. Include copy of this form with next communication to applicant.

PTO 892 DEA/FCE 1994		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NUMBER		Art Unit		Attachment to Paper Number	
NOTICE OF REFERENCES CITED				08/869,568		1646		5	
				APPLICANT(S) :BARAK et al					
U.S. PATENT DOCUMENTS									
*		DOCUMENT NUMBER	DATE	NAME(S)		CLASS	SUBCLASS	FILING DATE	
	A	US 5,366,889	Nov. 22, 1994	MacDonald et al		435	252.3	Nov. 30, 1992	
FOREIGN PATENT DOCUMENTS									
*		DOCUMENT NUMBER	DATE	COUNTRY	NAME(S)		CLASS	SUBCLASS	
		OTHER REFERENCES AUTHOR, TITLE, PERTINENT PAGES, ETC							Public Availability Date
	B	Cubitt, A. B. et al., Understanding, Improving and Using Green Fluorescent Proteins. Trends in Biochemical Sciences, pages 448- 455							1995
	C	Harris, E. L. V. et al, Protein Purification Methods, Oxford University Press, New York. Pages 12-18							1990
EXAMINER Nirmal S. Basi			DATE 5/26 /98		* A COPY OF THIS REFERENCE IS NOT BEING FURNISHED WITH THIS OFFICE ACTION. (SEE MPEP SECTION 707.05(a). PAGE 1 OF 1				

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
5405-140CT1

Serial No.
To be assigned

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Barak et al.

Filing Date: Concurrently herewith

JC857 U.S. PTO
09/631468

09/03/00
1646

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
NM	1	5,284,746	2/8/94	Sledziewski et al	435	6	2/8/90
NM	2	5,468,854	11/21/95	McCabe et al	540	498	7/22/93
	3	5,482,835	1/9/96	King et al	435	6	6/3/93
	4	5,491,084	2/13/96	Chalfie et al	435	189	9/10/93
	5	5,532,157	7/2/96	Fink	435	240.2	1/3/94
	6	5,576,436	11/19/96	McCabe et al	546	156	3/2/94
	7	5,366,889	11/22/94	MacDonald et al	435	252.3	10/30/92
	8	5,989,835	11/23/99	Dunlay et al.	435	7.2	2/27/97

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
NM	9	WO94/16684	8/4/94	PCT			
L	10	WO98/12310		PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NM	11	L.S. Barak et al.; <i>Internal Trafficking and Surface Mobility of a Functionally Intact β_2-Adrenergic Receptor-Green Fluorescent Protein Conjugate</i> , <u>Mole. Pharm.</u> 51:177-184(1997)
	12	L.S. Barak et al.; <i>The Conserved Seven-Transmembrane Sequence NP(X)_{2,3}Y of the G-Protein-Coupled Receptor Superfamily Regulates Multiple Properties of the β_2-Adrenergic Receptor</i> , <u>Biochem.</u> 34:15407-15414 (1995)
	13	L.S. Barak et al.; <i>A Highly Conserved Tyrosine Residue in G Protein-coupled Receptors is Required for Agonist-mediated β_2-Adrenergic Receptor</i> , <u>J. of Biological Chem.</u> 269, No. 4:2790-2795 (1994)
	14	S.S.G. Ferguson et al.; <i>Role of Phosphorylation in Agonist-promoted β_2-Adrenergic Receptor Sequestration</i> , <u>The J. of Biological Chem.</u> 270, No. 42:24782-24789 (1995)
	15	S.S.G. Ferguson et al.; <i>Role of β-Arrestin in Mediating Agonist-Promoted G Protein-Coupled Receptor Internalization</i> , <u>Science</u> 271:363-366 (1996)
	16	S.S.G. Ferguson et al. <i>G-protein-coupled receptor regulation: role of G-protein coupled receptor kinases and arrestins</i> , <u>Can. J. Physiol. Pharmacol.</u> 74:1095-1110 (Oct. 1996)
	17	M.J. Lohse et al.; <i>β-Arrestin: A Protein That Regulates β-Adrenergic Receptor Function</i> , <u>Science</u> 248:1547-1550 (1990)

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Attorney Docket Number 5405-140CT1	Serial No. To be assigned
		Applicants: Barak et al.	
		Filing Date: Concurrently herewith	Group: 1646
18	L. Ménard et al.; <i>Members of the G Protein-Coupled Receptor Kinase Family That Phosphorylate the β-Adrenergic Receptor Facilitate Sequestration</i> , <u>Biochem.</u> 35:4155-4160 (1996)		
19	M. Ormö et al.; <i>Crystal Structure of the Aequorea victoria Green Florescent Protein</i> , <u>Science</u> 273: 1392-1295 (1996)		
20	Cubitt, A.B. et al.; <i>Understanding, Improving and Using Green Fluorescent Proteins</i> , <u>Trends in Biochemical Sciences</u> , 448-455 (1995)		
21	Harris, E.L.V. et al.; <i>Protein Purification Methods</i> , Oxford University Press, New York, Pages 12-18 (1990)		
22	Yokoe and Meyer, <i>Spatial Dynamics of GFP-tagged proteins invesitgated by local fluorescence enhancement</i> , <u>Nature Biotechnology</u> , 14:1252 (October 1996)		
23	Barak et al.; <i>Abstract #2484, Molecular Biology of the Cell</i> , 7:427a (December 1996)		
24	Attramadal et al.; <i>β-Arrestin2, a Novel Member of the Arrestin/β-Arrestin Gene Family*</i> , <u>The Journal of Biological Chemistry</u> , 267:25 17882-17890 (1992).		
25	Barak et al.; <i>A β-Arrestin/Green Fluorescent Protein Biosensor for Detecting G Protein-coupled Receptor Activation*</i> , <u>The Journal of Biological Chemistry</u> , 272:44 27497-27500 (1997).		
26	Ferguson et al.; <i>Molecular Mechanisms of G Protein-Coupled Receptor Desensitization and Resensitization</i> , <u>Life Sciences</u> , 62:17/18 1561-1565 (1998).		

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket Number 5405-140		Serial No. To be Assigned	
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Applicants: Lawrence S. Barak, Marc G. Caron, Stephen S. Gerguson, Jie Chang			
				Filing Date: Concurrently Herewith		Group To be Assigned	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
NSB ↓	1	5,284,746	2/8/94	Sledziewski et al.	435	6	
	2	5,468,854	11/21/95	McCabe et al.	540	498	
	3	5,482,835	1/9/96	King et al.	435	6	
	4	5,491,084	2/13/96	Chalfie et al.	435	189	
	5	5,532,157	7/2/96	Fink	435	240.2	
	6	5,576,436	11/19/96	McCabe et al.	546	156	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
NSO	7	WO94/16684	8/4/94	PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
NSB	8	L. S. Barak et al.; <i>Internal Trafficking and Surface Mobility of a Functionally Intact β_2-Adrenergic Receptor-Green Fluorescent Protein Conjugate</i> , <u>Mole. Pharm.</u> 51:177-184 (1997).					
	9	L. S. Barak et al.; <i>The Conserved Seven-Transmembrane Sequence NP(X)_{2,3}Y of the G-Protein-Coupled Receptor Superfamily Regulates Multiple Properties of the β_2-Adrenergic Receptor</i> , <u>Biochem.</u> 34:15407-15414 (1995).					
	10	L. S. Barak et al.; <i>A Highly Conserved Tyrosine Residue in G Protein-coupled Receptors is Required for Agonist-mediated β_2-Adrenergic Receptor</i> , <u>J. of Biological Chem.</u> 269, No. 4:2790-2795 (1994).					
	11	S. S. G. Ferguson et al.; <i>Role of Phosphorylation in Agonist-promoted β_2-Adrenergic Receptor Sequestration</i> , <u>The J. of Biological Chem.</u> 270, No. 42:24782-24789 (1995).					
	12	S. S. G. Ferguson et al.; <i>Role of β-Arrestin in Mediating Agonist-Promoted G Protein-Coupled Receptor Internalization</i> , <u>Science</u> 271:363-366 (1996).					
	13	S. S. G. Ferguson et al.; <i>G-protein-coupled receptor regulation: role of G-protein-coupled receptor kinases and arrestins</i> , <u>Can. J. Physiol. Pharmacol.</u> 74:1095-1110 (1996).					
	14	M. J. Lohse et al.; <i>β-Arrestin: A Protein That Regulates β-Adrenergic Receptor Function</i> , <u>Science</u> 248:1547-1550 (1990).					
	15	L. Ménard et al.; <i>Members of the G Protein-Coupled Receptor Kinase Family That Phosphorylate the β_2-Adrenergic Receptor Facilitate Sequestration</i> , <u>Biochem.</u> 35:4155-4160 (1996).					
✓	16	M. Ormö et al.; <i>Crystal Structure of the Aequorea victoria Green Fluorescent Protein</i> , <u>Science</u> 273:1392-1395 (1996).					

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
5405-140CT

Serial No.
To be assigned

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Barak et al.

Filing Date: Concurrently herewith

Group 164
To be assigned

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
NSA ↓	1	5,284,746	2/8/94	Sledziewski et al	435	6	2/8/90
	2	5,468,854	11/21/95	McCabe et al	540	498	7/22/93
	3	5,482,835	1/9/96	King et al	435	6	6/3/93
	4	5,491,084	2/13/96	Chalfie et al	435	189	9/10/93
	5	5,532,157	7/2/96	Fink	435	240.2	1/3/94
	6	5,576,436	11/19/96	McCabe et al	546	156	3/2/94
	7	5,366,889	11/22/94	MacDonald et al	435	252.3	10/30/92

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
NSA	8	WO94/16684	8/4/94	PCT	—	—	—
↓	9	WO98/12310		PCT	—	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NSA	10	L.S. Barak et al.; <i>Internal Trafficking and Surface Mobility of a Functionally Intact β_2-Adrenergic Receptor-Green Fluorescent Protein Conjugate</i> , <u>Mole. Pharm.</u> 51:177-184(1997)
	11	L.S. Barak et al.; <i>The Conserved Seven-Transmembrane Sequence NP(X)_{2,3}Y of the G-Protein-Coupled Receptor Superfamily Regulates Multiple Properties of the β_2-Adrenergic Receptor</i> , <u>Biochem.</u> 34:15407-15414 (1995)
	12	L.S. Barak et al.; <i>A Highly Conserved Tyrosine Residue in G Protein-coupled Receptors is Required for Agonist-mediated β_2-Adrenergic Receptor</i> , <u>J. of Biological Chem.</u> 269, No. 4:2790-2795 (1994)
	13	S.S.G. Ferguson et al.; <i>Role of Phosphorylation in Agonist-promoted β_2-Adrenergic Receptor Sequestration</i> , <u>The J. of Biological Chem.</u> 270, No. 42:24782-24789 (1995)
	14	S.S.G. Ferguson et al; <i>Role of β-Arrestin in Mediating Agonist-Promoted G Protein-Coupled Receptor Internalization</i> , <u>Science</u> 271:363-366 (1996)
	15	S.S.G. Ferguson et al. <i>G-protein-coupled receptor regulation: role of G-protein coupled receptor kinases and arrestins</i> , <u>Can. J. Physiol. Pharmacol.</u> 74:1095-1110 (Oct. 1996)
	16	M.J. Lohse et al.; <i>β-Arrestin: A Protein That Regulates β-Adrenergic Receptor Function</i> , <u>Science</u> 248:1547-1550 (1990)

NSA and S. R. 7/22/93

Applicants cards

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
5405140CF

Serial No.
09/233,530

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants:

Barak et al.

Filing Date
20 January 1999

Group
1643

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No
	BA						
	BB						
	BC						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MSB	CA	Attramadal et al.; β -Arrestin2, a Novel Member of the Arrestin/ β -Arrestin Gene Family*, The Journal of Biological Chemistry 267:25 17882-17890 (1992).
J	CB	Barak et al.; A β -Arrestin/Green Fluorescent Protein Biosensor for Detecting G Protein-coupled Receptor Activation*, The Journal of Biological Chemistry 272:44 27497-27500 (1997).
J	CC	Ferguson et al.; Molecular Mechanisms of G Protein-Coupled Receptor Desensitization and Resensitization, Life Sciences 62:17/18 1561-1565 (1998).

Dr. S. Barak
100

3/23/00

FORM PTO-1449 U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket Number
5405-140CT

Serial No.
To be assign

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

Applicants: Barak et al.

Filing Date: Concurrently herewith

1626
Group
To be assign

NSB	17	L. Ménard et al.; <i>Members of the G Protein-Coupled Receptor Kinase Family That Phosphorylate the Adrenergic Receptor Facilitate Sequestration</i> , <u>Biochem.</u> 35:4155-4160 (1996)
	18	M. Ormö et al.; <i>Crystal Structure of the Aequorea victoria Green Florescent Protein</i> , <u>Science</u> 273: 139-1295 (1996)
	19	Cubitt, A.B. et al.; <i>Understanding, Improving and Using Green Fluorescent Proteins</i> , <u>Trends in Biochemical Sciences</u> , 448-455 (1995)
	20	Harris, E.L.V. et al.; <i>Protein Purification Methods</i> , Oxford University Press, New York, Pages 12-18 (1990)
	21	Yokoe and Meyer, <i>Spatial Dynamics of GFP-tagged proteins invesitgated by local fluorescence enhancement</i> , <u>Nature Biotechnology</u> 14:1252 (October 1996)
↙	22	Barak et al.; <i>Abstract #2484</i> , <u>Molecular Biology of the Cell</u> , 7:427a (December 1996)

Normal S. Barak

3/23/00

PTO 892 DEA/FCE 1894 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				SERIAL NUMBER		Art Unit		Attachment to Paper Number	
NOTICE OF REFERENCES CITED				09/233,530		1646		9	
				APPLICANT(S) :BARAK et al					
U.S. PATENT DOCUMENTS									
*		DOCUMENT NUMBER	DATE	NAME(S)		CLASS	SUBCLASS	FILING DATE	
	A	5,989,835	11/23/99	Dunlay et al		435	7.2	2/27/97	
FOREIGN PATENT DOCUMENTS									
*		DOCUMENT NUMBER	DATE	COUNTRY	NAME(S)		CLASS	SUBCLASS	
		OTHER REFERENCES AUTHOR, TITLE, PERTINENT PAGES, ETC							Public Availability Date
EXAMINER Nirmal S. Basi			DATE 3/23/00		* A COPY OF THIS REFERENCE IS NOT BEING FURNISHED WITH THIS OFFICE ACTION. (SEE MPEP SECTION 707.05(a). PAGE 1 OF 1				